WHAT IS CLAIMED IS:

- 1. rec-L-N-carbamoylase from *Arthrobacter aurescens* and mutants thereof.
- 2. An amino acid sequence of the carbamoylase according to claim 1.
 - 3. The amino acid sequence of claim 2 which is SEQ ID NO:2.
- 4. A nucleotide sequence encoding the amino acid sequence according to claim 2.
 - 5. The nucleotide sequence of claim 4 which is SEQ ID NO:1.
- 6. A vector comprising the nucleotide sequence according to claim 4.
- 7. A plasmid comprising the nucleotide sequence according to claim 4.
- 8. A host cell comprising the nucleotide sequence according to claim 4.

formyl amino acids are reacted.

- 11. The method according to claim 9, wherein the N-carbamoyl amino acids are produced with hydantoinases from the corresponding hydantoins.
- 12. The method according to claim 11, wherein the hydantoins used are constantly racemized by enzymatic or chemical methods.
- 13. The method according to claim 9, wherein the work is carried out in an enzyme membrane reactor.
- 14. The method according to claims 9, 10 or 11, wherein the enzymes used are immobilized on carriers.
- 15. The method according to claim 14, wherein the rec-L-N-carbamoylase is covalently immobilized on EAH-sepharose.